

▶▶▶ What's next
happens here.



Corn Silage Report 2024

The following trials were not completed as experiments due to extreme field variability and difficult scale logistics at the site. Silage yield is estimated by conducting a thorough grain corn bushel estimate and dividing by 10.

Samples were collected at the Kleehaven Holsteins site for feed value testing. See attached.

Trehane Holsteins (David Stephens) – Niverville, MB – September 27th, 2024

Brand	Hybrid	Estimated Yield	Maturity Notes
Pioneer	P90630AM	22 tonnes/ac	¾ milcline, tall.
Pioneer	P9482SSE (BMR)	22.8 tonnes/ac	½ milcline, very tall
Croplan	CP2324VT2P/RIB	21.9 tonnes/ac	Brown layer.
Pioneer	P87040PCE	18.7 tonnes/ac	¾ milcline, tall.
Pioneer	P9233Q	20.5 tonnes/ac	¾ milcline, tall.
Croplan	CP2845VT2P/RIB	19.2 tonnes/ac	¾ milcline.
Thunder	TH6180VT2P	18.5 tonnes/ac	Brown layer.
Thunder	TH8483DV	21.7 tonnes/ac	¾ milcline, tall.



▶▶▶ What's next
happens here.



Kleehaven Holsteins (Naylor) – Kleefeld, MB - October 10th

Brand	Hybrid	Estimated Yield	Maturity Notes
Pioneer	P87040AM	18.7 tonnes/ac	¾ milking
Pioneer	P8859Q	18.0 tonnes/ac	Brown layer.
Pioneer	P90630AM	22.4 tonnes/ac	¾ milking, tall.
Pioneer	P91083V	17.4 tonnes/ac	¾ milking.
Brett Young	Guersney	17.0 tonnes/ac	Brown layer.
Pioneer	P9482SSE (BMR)	21.8 tonnes/ac	¾ milking.



The following pages contain feed quality tests done at Horizon Labs in Winnipeg, MB.



Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D1
 Sample Name: **P8859Q**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	63.44	%	NEL	0.81	0.51	Mcal/lb
CP	7.13	4.52	%	NEL	1.78	1.13	Mcal/kg
ADF	18.85	11.96	%	NEL	7.45	4.73	MJ/kg
aNDF	40.64	25.78	%				
dNDF24	16.80	10.66	%	NEM	0.80	0.51	Mcal/lb
IVTDMD24	69.24	43.93	%	NEM	1.77	1.12	Mcal/kg
NDFD24	41.35	26.23	%	NEM	7.40	4.70	MJ/kg
dNDF30	28.36	17.99	%				
IVTDMD30	81.54	51.73	%	NEG	0.52	0.33	Mcal/lb
NDFD30	69.79	44.27	%	NEG	1.15	0.73	Mcal/kg
dNDF48	27.86	17.67	%	NEG	4.80	3.05	MJ/kg
IVTDMD48	87.50	55.51	%				
NDFD48	68.55	43.49	%	RFV	169.88	107.77	
FAT	2.09	1.33	%	RFQ	178.67	113.35	
Starch	37.02	23.49	%	TDN	74.42	47.22	%
ESC	4.32	2.74	%				
WSC	5.55	3.52	%				
Ash	1.36	0.86	%				
ADICP	0.19	0.12	%				
NDICP	0.97	0.62	%				
InsolCP	4.75	3.01	%				
aNDFom	43.20	27.41	%				

Note: The test results reported relate only to the sample identified in the "Sample ID" section of this report.

Issued by:

Ken Kwiatkowski - Lab Director



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Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D2
 Sample Name: **P87040AM**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	48.59	%	NEL	0.73	0.35	Mcal/lb
CP	6.87	3.34	%	NEL	1.60	0.78	Mcal/kg
ADF	25.60	12.44	%	NEL	6.68	3.25	MJ/kg
aNDF	48.51	23.57	%				
dNDF24	23.65	11.49	%	NEM	0.74	0.36	Mcal/lb
IVTDMD24	68.08	33.08	%	NEM	1.63	0.79	Mcal/kg
NDFD24	48.74	23.68	%	NEM	6.82	3.32	MJ/kg
dNDF30	30.69	14.91	%				
IVTDMD30	77.73	37.77	%	NEG	0.47	0.23	Mcal/lb
NDFD30	63.26	30.74	%	NEG	1.03	0.50	Mcal/kg
dNDF48	31.20	15.16	%	NEG	4.29	2.09	MJ/kg
IVTDMD48	82.60	40.14	%				
NDFD48	64.31	31.25	%	RFV	132.23	64.25	
FAT	2.30	1.12	%	RFQ	140.74	68.39	
Starch	26.65	12.95	%	TDN	69.98	34.00	%
ESC	6.04	2.93	%				
WSC	6.94	3.37	%				
Ash	1.88	0.91	%				
ADICP	0.22	0.11	%				
NDICP	1.03	0.50	%				
InsolCP	4.53	2.20	%				
aNDFom	49.98	24.29	%				

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Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D3
 Sample Name: **P90630AM**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	52.77	%	NEL	0.65	0.35	Mcal/lb
CP	5.43	2.87	%	NEL	1.44	0.76	Mcal/kg
ADF	31.39	16.56	%	NEL	6.02	3.18	MJ/kg
aNDF	58.38	30.81	%				
dNDF24	30.00	15.83	%	NEM	0.69	0.36	Mcal/lb
IVTDMD24	66.92	35.31	%	NEM	1.51	0.80	Mcal/kg
NDFD24	51.39	27.12	%	NEM	6.32	3.33	MJ/kg
dNDF30	39.48	20.83	%				
IVTDMD30	78.77	41.57	%	NEG	0.42	0.22	Mcal/lb
NDFD30	67.63	35.69	%	NEG	0.92	0.48	Mcal/kg
dNDF48	41.17	21.73	%	NEG	3.84	2.03	MJ/kg
IVTDMD48	81.84	43.19	%				
NDFD48	70.52	37.21	%	RFV	102.69	54.19	
FAT	2.06	1.09	%	RFQ	110.58	58.35	
Starch	16.71	8.82	%	TDN	66.17	34.92	%
ESC	5.99	3.16	%				
WSC	6.74	3.56	%				
Ash	2.26	1.19	%				
ADICP	0.16	0.08	%				
NDICP	0.99	0.52	%				
InsolCP	3.68	1.94	%				
aNDFom	58.44	30.84	%				

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Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D4
 Sample Name: **BY GUERSNEY**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	48.87	%	NEL	0.71	0.35	Mcal/lb
CP	5.75	2.81	%	NEL	1.55	0.76	Mcal/kg
ADF	27.26	13.32	%	NEL	6.49	3.17	MJ/kg
aNDF	53.03	25.92	%				
dNDF24	27.83	13.60	%	NEM	0.73	0.35	Mcal/lb
IVTDMD24	68.19	33.32	%	NEM	1.60	0.78	Mcal/kg
NDFD24	52.48	25.65	%	NEM	6.68	3.26	MJ/kg
dNDF30	36.25	17.72	%				
IVTDMD30	79.71	38.95	%	NEG	0.45	0.22	Mcal/lb
NDFD30	68.35	33.40	%	NEG	1.00	0.49	Mcal/kg
dNDF48	36.71	17.94	%	NEG	4.16	2.04	MJ/kg
IVTDMD48	83.52	40.82	%				
NDFD48	69.22	33.83	%	RFV	118.69	58.01	
FAT	2.10	1.03	%	RFQ	126.73	61.94	
Starch	22.09	10.80	%	TDN	68.89	33.67	%
ESC	8.30	4.06	%				
WSC	8.96	4.38	%				
Ash	1.49	0.73	%				
ADICP	0.19	0.09	%				
NDICP	0.96	0.47	%				
InsolCP	4.06	1.98	%				
aNDFom	54.34	26.56	%				

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Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D5
 Sample Name: **P91083V**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	52.32	%	NEL	0.69	0.36	Mcal/lb
CP	6.66	3.48	%	NEL	1.51	0.79	Mcal/kg
ADF	28.79	15.06	%	NEL	6.32	3.31	MJ/kg
aNDF	52.22	27.32	%				
dNDF24	23.83	12.47	%	NEM	0.71	0.37	Mcal/lb
IVTDMD24	66.10	34.58	%	NEM	1.57	0.82	Mcal/kg
NDFD24	45.63	23.87	%	NEM	6.54	3.42	MJ/kg
dNDF30	30.09	15.74	%				
IVTDMD30	74.38	38.92	%	NEG	0.44	0.23	Mcal/lb
NDFD30	57.62	30.15	%	NEG	0.97	0.51	Mcal/kg
dNDF48	32.60	17.06	%	NEG	4.05	2.12	MJ/kg
IVTDMD48	80.56	42.15	%				
NDFD48	62.43	32.66	%	RFV	118.41	61.95	
FAT	2.01	1.05	%	RFQ	126.82	66.35	
Starch	22.68	11.87	%	TDN	67.88	35.51	%
ESC	6.22	3.25	%				
WSC	6.75	3.53	%				
Ash	2.71	1.42	%				
ADICP	0.26	0.14	%				
NDICP	1.02	0.53	%				
InsolCP	4.28	2.24	%				
aNDFom	52.03	27.22	%				

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Analysis Report

Company Name: Marc Hutlet Seeds
 Customer Name: Karis Hutlet
 Contact: Karis Hutlet
 Email Address: karis.hutlet@plantpioneer.com

Sample Date: Unknown
 Receipt Date: 25/Oct/24
 Test Date: 25/Sep/24
 Report Date: 3/Nov/24

Horizon Sample ID: FF241024 D6
 Sample Name: **P948255E BMR**
 Method: NIRS (Unaccredited)

Measured				Energy and Quality Calculations			
Parameter	DM	As-Is	Unit	Parameter	DM	As-Is	Unit
Total Dry Matter	100	41.58	%	NEL	0.63	0.26	Mcal/lb
CP	6.53	2.72	%	NEL	1.40	0.58	Mcal/kg
ADF	33.04	13.74	%	NEL	5.83	2.43	MJ/kg
aNDF	60.55	25.18	%				
dNDF24	33.70	14.01	%	NEM	0.67	0.28	Mcal/lb
IVTDMD24	69.09	28.73	%	NEM	1.48	0.61	Mcal/kg
NDFD24	55.66	23.14	%	NEM	6.17	2.57	MJ/kg
dNDF30	46.10	19.17	%				
IVTDMD30	84.29	35.05	%	NEG	0.40	0.17	Mcal/lb
NDFD30	76.14	31.66	%	NEG	0.89	0.37	Mcal/kg
dNDF48	47.09	19.58	%	NEG	3.71	1.54	MJ/kg
IVTDMD48	86.66	36.03	%				
NDFD48	77.78	32.34	%	RFV	97.04	40.35	
FAT	1.90	0.79	%	RFQ	104.86	43.60	
Starch	10.54	4.38	%	TDN	65.08	27.06	%
ESC	7.24	3.01	%				
WSC	8.22	3.42	%				
Ash	3.55	1.47	%				
ADICP	0.23	0.10	%				
NDICP	1.22	0.51	%				
InsolCP	4.01	1.67	%				
aNDFom	60.94	25.34	%				

Note: The test results reported relate only to the sample identified in the "Sample ID" section of this report.

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Method:	P122 Preparing and Analyzing Hay and Forage Samples Using NIRS
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Legend of Potential Parameters	
DM	Dry Matter*
CP	Crude Protein*
ADF	Acid Detergent Fiber*
aNDF	Neutral Detergent Fiber*
Ca	Calcium
P	Phosphorous
K	Potassium
Mg	Magnesium
dNDF24	Digestible Neutral Detergent Fiber in 24 hours
IVTDM24	In Vitro True Dry Matter Digestibility in 24 hours
NDF24	Neutral Detergent Fiber Digestibility in 24 hours
dNDF30	Digestible Neutral Detergent Fiber in 30 hours
IVTDM30	In Vitro True Dry Matter Digestibility in 30 hours
NDF30	Neutral Detergent Fiber Digestibility in 30 hours
dNDF48	Digestible Neutral Detergent Fiber in 48 hours
IVTDM48	In Vitro True Dry Matter Digestibility in 48 hours
NDF48	Neutral Detergent Fiber Digestibility in 48 hours
FAT	FAT
Lignin	Lignin
Starch	Starch
ESC	Ethanol Soluble Carbohydrates
WSC	Water Soluble Carbohydrates
Ash	Ash
ADICP	Acid Detergent Insoluble Crude Protein
NDICP	Neutral Detergent Insoluble Crude Protein
InsolCP	Insoluble Crude Protein
NEL	Net Energy Lactation
NEM	Net Energy of Maintenance
NEG	Net Energy of Gain
RFV	Relative Feed Value
RFQ	Relative Forage Quality
FQI	Feed Quality Index
aNDFom	Ash-free aNDF
<p>Note: Not all of these parameters may be included in each report; it is sample-type specific. * Accredited for these parameters according to the National Forage Testing Association (NFTA).</p>	